# Panasonic
## ideas for life

## DMC-FZ48
## Digital Camera

24x Optical Zoom Lens From 25mm Wide-angle and 32x Intelligent Zoom

F2.8 LEICA DC Lens with Nano Surface Coating Technology and Hi-speed CCD

Full HD Video with Higher Transfer Processing Speed CCD

POWER O.I.S. Active Mode Supressing Hand-shake Blur in Video Recording

Creative Video Mode, Creative Control and Photo Style

Sonic Speed AF, iA Mode and 3D Photo Mode

LUMIX Hybrid Super Zoom Digital Camera

Hybrid Super Zoom Camera FZ48 - For Both Photos and Full HD Videos Featuring 25mm Ultra Wide-angle 24x Optical Zoom LEICA DC Lens

Price*: **349.99 GBP**
*Panasonic Online Shop Price

## Metrics

| | |
|---|---|
| **Dimensions (W x H x D)** | 120.3 x 79.8 x 91.9 mm<br>(4.74 x 3.14 x 3.62 inch) |
| **Weight** | Approx. 454 g without Battery and SD Memory Card (1.00 lb)<br>Approx. 498 g with Battery and SD Memory Card (1.10 lb) |

## Optics

| | |
|---|---|
| **Camera Effective Pixels** | 12.1 Megapixels |
| **Sensor Size / Total Pixels / Filter** | 1/2.33-type CCD sensor / 12.5 Total Megapixels / Primary Color Filter |
| **Aperture** | F2.8 - 5.2 / Multistage Iris Diaphragm<br>(F2.8 - 8.0 (W) / F5.2- 8.0 (T)) |
| **Optical Zoom** | 24x |
| **Focal Length** | f= 4.5 - 108 mm (25 - 600 mm in 35 mm equiv.)<br>(28-672mm in 35mm equiv. in video recording) |
| **Extra Optical Zoom (EZ)** | 29.4x (4:3 / 8M), 37.5x (4:3 / 5M), 46.9x (4:3 / under 3M) |
| **Intelligent Zoom** | 32x |
| **Lens** | LEICA DC VARIO- ELMARIT<br>14 elements in 10 groups<br>(2 Aspherical Lenses / 3 Aspherical Surfaces / 3 ED Lenses / 1 Nano Surface Coating Lens) |
| **2-Speed Zoom** | Yes |
| **Optical Image Stabilizer** | Power O.I.S. (On / Off / Active mode (Only for Motion Picture) ) |
| **Digital Zoom** | 4x |

**PHOTOGRAPHY BLOG**
RECOMMENDED
★★★★

**Award**
2011-08-03T16:27:51
DMC-FZ48, Photography Blog, Recommended Award, August 2011

**What Digital Camera**
RECOMMENDED

**Award**
2011-08-04T17:43:37
DMC-FZ48, What Digital Camera, Recommended Award, August 2011

![Panasonic - ideas for life]

| Focusing Area | Normal: Wide 30 cm - infinity / Tele 200 cm - infinity |
| | AF Macro / MF /Intelligent Auto / Motion Picture: Wide 1 cm - infinity / Tele 100 cm - infinity |
| **AF Assist Lamp** | Yes |
| **Focus** | Normal / AF Macro / Zoom Macro |
| | Quick AF On/Off (On in Intelligent Auto) |
| | Manual Focus (Jog Dial and cursor key button), One shot AF, AF Area Select, AF Tracking |
| **AF Metering** | Face / AF Tracking / 23 pt / 1 pt (Flexible / Scalable) |
| **Shutter Speed** | Still: 60 - 1/2000 sec |
| | Video Mode : 1/30 - 1/20,000 sec (1/8 - 1/20,000 sec on MF Operation on Creative video Mode) |
| | Starry Sky Mode : 15, 30, 60 sec |
| **Viewfinder** | 0.20" Color EVF (201.6K Pixels equiv.), Field of View : approx. 100%, Lens 19.6x |

**Award**
2011-08-16T17:45:41
DMC-FZ48, Expert Reviews, Best Buy Award, August 2011

## Recording

| Digital Red Eye Correction (Red-Eye Removal) | Yes |
| **File Format** | Still Image: JPEG (DCF / Exif2.3) |
| | 3D Image: MPO |
| | Motion picture: AVCHD, MP4 |
| **Creative Control mode** | Expressive, Retro, High Key, Sepia, High Dynamic, Pin Hole, Film Grain, Miniature Effect |
| **Mode Dial / Mode Button** | Intelligent AUTO, P (Program) mode, A (Aperture Priority) mode, S (Shutter Priority) mode, M (Manual) mode, Creative Video mode, Creative Control mode, Portrait mode, Scenery mode, Sports mode, Night Portrait mode, Close- up mode, Scene mode, Custom |
| **Still Image Scene Mode** | Panorama Assist,Party, Candle Light, Baby1, Baby2, Pet, Sunset, High Sensitivity, |
| | High-Speed Burst, Flash Burst, Panning, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Photo Frame, 3D Photo |
| **Motion Picture Recording (*2)** | [HD Video] 1920 x 1080 pixels, 50i (FSH: 17Mbps / AVCHD) (Sensor output is 25p) |
| | 1280 x 720 pixels, 50p (SH: 17Mbps / AVCHD) (Sensor output is 25p) |
| | 1920 x 1080 pixels, 25 fps (FHD: 20Mbps / MP4) (Sensor output is 25p) |
| | 1280 x 720 pixels, 25 fps (HD: 10Mbps / MP4) (Sensor output is 25p) |
| | [STD Video] VGA: 640 x 480 pixels, 25 fps (4Mbps / MP4) |
| **Continuous Shooting Mode** | Full- Resolution Image, 3.7 frames/sec Max. 7 images (Standard mode), Max 7 images (Fine Mode) |
| | High- speed Burst Mode: approx. 7 frames/sec (image priority) |
| | approx. 10 frames/sec (speed priority) |
| | (recorded in 3M for 4:3, 2.5M for 3:2, 2M for 16:9, 2.5M for 1:1) |
| **AVCHD (Continuous recordable time [motion pictures])** | approx. 140 min (FSH), 160 min (SH) |
| **MP4 (Continuous recordable time [motion pictures])** | approx. 140 min (FHD) |
| **AVCHD (Actual recordable time [motion pictures])** | approx. 80 min (FSH), 90 min (SH) |
| **MP4 (Actual recordable time [motion pictures])** | approx. 80 min (FHD) |
| **Exposure** | Program AE, Aperture Priority AE, Shutter Priority AE, Manual, Program Shift (Program AE mode) |

| | |
|---|---|
| **Exposure Compensation** | 1/3 EV step, +/- 3 EV |
| **Auto (AE) Bracketing** | +/- 1/3~1EV step, 3 frames |
| **Light Metering** | Intelligent Multiple / Center Weighted / Spot |
| **ISO Sensitivity** | Auto / i.ISO / 100 / 200 / 400 / 800 / 1600<br>High Sensitivity mode (ISO 1600-6400) |
| **Still Picture Recording** | [1:1] 2992 x 2992 (9M EZ) / 2448 x 2448 (6M EZ) / 1920 x 1920 (3.5M EZ) / 1536x 1536 (2.5M EZ) / 480 x 480 (0.2M EZ)<br>[4:3] 4000 x 3000 (12M) / 3264 x 2448 (8M EZ) / 2560 x 1920 (5M EZ) / 2048 x 1536 (3M EZ) / 1600 x 1200 (2M EZ) / 640 x 480 (0.3M EZ)<br>[3:2] 4000 x 2672 (10.5M) / 3264 x 2176 (7M EZ) / 2560 x 1712 (4.5M EZ) / 2048 x 1360 (2.5M EZ) / 640 x 424 (0.3M EZ)<br>[16:9] 4000 x 2248 (9M) / 3264 x 1840 (6M EZ) / 2560 x 1440 (3.5M EZ) / 1920 x 1080 (2M EZ) / 640 x 360 (0.2M) |
| **Image Quality** | Fine / Standard |
| **White Balance** | Auto / Daylight / Cloudy / Shade / Incandescent / Flash / White Set 1 / White Set 2 / Color Temperature<br>White Balance Adjustment (2-axis adjustable, ±9steps each, Blue/Amber and Magenta/Green bias) |
| **Photo Style** | Standard, Vivid, Natural, Monochrome, Scenery, Portrait, Custom *<br>Color Effect (only in iA Mode) : Standard, Black & White, Sepia, Happy |
| **Picture Adjustment** | Contrast, Sharpness, Saturation, Noise Reduction |
| **Optical Zoom in Motion Picture** | Yes |
| **Self Timer** | 2 sec / 10 sec / 10 sec [3 pictures] |

## Playback

| | |
|---|---|
| **Playback Mode** | Normal Playback, Slideshow, Category Playback, Mode Playback, Favorites Playback,<br>2D/3D Settngs |
| **Thumbnails / Zoomed Playback** | 12,30- thumbnails / Yes |
| **Calendar Display / Dual-Image Playback** | Yes / No |
| **Set Favorites / Rotate Image** | Yes / No |
| **Show Histogram** | Yes |
| **Show Highlights** | Yes |
| **DPOF Print Setting / Set Protection** | Yes / Yes |
| **Resize / Trim / Aspect Conv. / Leveling** | Yes / Yes / No / Yes |
| **Copy / Title Edit / Text Stamp** | Yes / Yes / Yes |
| **Cut Animation** | Yes |
| **Video Divide** | Yes |
| **PictBridge Support** | Single / Multi / All / Favorites / DPOF |

## Setup

| | |
|---|---|
| **OSD language** | Japanese, English, German, French, Italian, Spanish |

## Others

| | |
|---|---|
| **LCD Monitor** | 7.5cm(3.0") TFT Screen LCD Display (460K dots)<br>Field of View : approx. 100% |

| | AUTO Power LCD mode, Power LCD mode |
|---|---|
| **Built-in-Flash** | Auto, Auto/Red- eye Reduction, Forced On, Forced On/Red- eye Reduction, |
| | Slow Sync./Red- eye Reduction, Forced Off |
| | Flash Synchro; 1st / 2nd |
| | 0.3 - 9.5m (Wide/ISO Auto), 1.0 - 5.1m (Tele/ISO Auto) |
| **Recording Media** | Built- in Memory, SD Memory Card, SDHC Memory Card, SDXC Memory Card |
| **Built-in-Memory** | Approx. 70MB |
| **Microphone / Speaker** | Stereo / Yes |
| **Interface** | mini HDMI, AV Output, USB2.0 High speed |
| **Power** | Li- ion Battery Pack (7.2V, Minimum: 895mAh) (Included) |
| **Battery life (approx.)** | 400 pictures (CIPA Standard)*1 |
| **Included Software** | PHOTOfunSTUDIO 6.3HD Lite Edition |
| | QuickTime |
| | Adobe Reader |
| **Standard Accessories** | Battery Charger, Battery Pack, USB Cable, AC Cable, Shoulder Strap, CD-ROM, Lens Hood, Lens Cap, Lens Cap String |
| **NOTE** | *1. |
| | Recording conditions by CIPA standard |
| | - CIPA is an abbreviation of [Camera & Imaging Products Association]. |
| | - Temperature: 23 oC (73.4 oF)/Humidity: 50%RH when LCD monitor is on. |
| | - Using a Panasonic SD Memory Card (32 MB). |
| | - Using the supplied battery. |
| | - St |
| | *2. |
| | - These are standard times taken at a temperature of 23 oC (73.4 oF) and a humidity of 50%RH. |
| | - The time available for recording varies depending on the environment, the interval between recordings, and the manner of use. |
| | - Actual recordable time is the tim |
| | - Motion pictures can be recorded continuously for up to 29 minutes 59 seconds. |
| | - Also, motion picture recorded continuously in [MP4] is up to 4 GB. |